

Gianfranco Cicoria

List of Publications by Year in descending order

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53
papers

942
citations

471509

17
h-index

501196

28
g-index

54
all docs

54
docs citations

54
times ranked

1417
citing authors

#	ARTICLE	IF	CITATIONS
1	PET radiopharmaceuticals for imaging of tumor hypoxia: a review of the evidence. American Journal of Nuclear Medicine and Molecular Imaging, 2014, 4, 365-84.	1.0	109
2	Engineered porphyrin loaded core-shell nanoparticles for selective sonodynamic anticancer treatment. Nanomedicine, 2015, 10, 3483-3494.	3.3	57
3	Automation synthesis modules review. Applied Radiation and Isotopes, 2013, 76, 38-45.	1.5	50
4	Synthesis and preclinical evaluation of an Al ¹⁸ F radiofluorinated GLU-UREA-LYS(AHX)-HBED-CC PSMA ligand. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2122-2130.	6.4	42
5	Assessment of radionuclidic impurities in 2-[¹⁸ F]fluoro-2-deoxy-d-glucose ([¹⁸ F]FDG) routine production. Applied Radiation and Isotopes, 2008, 66, 295-302.	1.5	40
6	Synthesis and quality control of ⁶⁸ Ga citrate for routine clinical PET. Nuclear Medicine Communications, 2009, 30, 542-545.	1.1	38
7	Usefulness of ⁶⁴ Cu-ATSM in Head and Neck Cancer. Clinical Nuclear Medicine, 2014, 39, e59-e63.	1.3	36
8	In-house cyclotron production of high-purity Tc- ^{99m} and Tc- ^{99m} radiopharmaceuticals. Applied Radiation and Isotopes, 2018, 139, 325-331.	1.5	35
9	Prediction of ⁸⁹ Zr production using the Monte Carlo code FLUKA. Applied Radiation and Isotopes, 2011, 69, 1134-1137.	1.5	32
10	Prognostic Evaluation of Disease Outcome in Solid Tumors Investigated With ⁶⁴ Cu-ATSM PET/CT. Clinical Nuclear Medicine, 2016, 41, e87-e92.	1.3	32
11	A solvent-extraction module for cyclotron production of high-purity technetium- ^{99m} . Applied Radiation and Isotopes, 2016, 118, 302-307.	1.5	29
12	Production of Ga- ⁶⁸ with a General Electric PETtrace cyclotron by liquid target. Physica Medica, 2018, 55, 116-126.	0.7	29
13	Production of ⁶⁷ Cu by enriched ⁷⁰ Zn targets: first measurements of formation cross sections of ⁶⁷ Cu, ⁶⁴ Cu, ⁶⁷ Ga, ⁶⁶ Ga, ^{69m} Zn and ⁶⁵ Zn in interactions of ⁷⁰ Zn with protons above 45 MeV. Radiochimica Acta, 2020, 108, 593-602.	1.2	28
14	Synthesis of oncological [¹¹ C]radiopharmaceuticals for clinical PET. Nuclear Medicine and Biology, 2012, 39, 447-460.	0.6	24
15	Accurate Monte Carlo modeling of cyclotrons for optimization of shielding and activation calculations in the biomedical field. Radiation Physics and Chemistry, 2015, 116, 231-236.	2.8	23
16	Innovative Target for Production of Technetium- ^{99m} by Biomedical Cyclotron. Molecules, 2019, 24, 25.	3.8	21
17	Radioisotopic purity and imaging properties of cyclotron-produced ^{99m} Tc using direct ¹⁰⁰ Mo(<i>p</i> , <i>n</i>) reaction. Physics in Medicine and Biology, 2018, 63, 185021.	3.0	17
18	Neutron production in the operation of a 16.5MeV PETtrace cyclotron. Progress in Nuclear Energy, 2008, 50, 939-943.	2.9	16

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19	Radiolabelling, quality control and radiochemical purity assessment of the Octreotide analogue 68Ga DOTA NOC. <i>Applied Radiation and Isotopes</i> , 2008, 66, 1091-1096.	1.5	16
20	Assessment of the neutron dose field around a biomedical cyclotron: FLUKA simulation and experimental measurements. <i>Physica Medica</i> , 2016, 32, 1602-1608.	0.7	16
21	Some experimental studies on ⁸⁹ Zr production. <i>Radiochimica Acta</i> , 2011, 99, 631-634.	1.2	15
22	Generator Breakthrough and Radionuclidic Purification in Automated Synthesis of 68Ga-DOTANOC. <i>Current Radiopharmaceuticals</i> , 2013, 6, 72-77.	0.8	15
23	Medical Cyclotron Solid Target Preparation by Ultrathick Film Magnetron Sputtering Deposition. <i>Instruments</i> , 2019, 3, 21.	1.8	14
24	Accurate modeling of a DOI capable small animal PET scanner using GATE. <i>Applied Radiation and Isotopes</i> , 2013, 75, 105-114.	1.5	13
25	⁶⁴ Cu and fluorescein labeled anti-miRNA peptide nucleic acids for the detection of miRNA expression in living cells. <i>Scientific Reports</i> , 2019, 9, 3376.	3.3	13
26	Activation studies for the decommissioning of PET cyclotron bunkers by means of Monte Carlo simulations. <i>Radiation Physics and Chemistry</i> , 2020, 174, 108966.	2.8	13
27	Development of a modular system for the synthesis of PET [¹¹ C]labelled radiopharmaceuticals. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1869-1873.	1.5	12
28	Activation studies of a PET cyclotron bunker. <i>Radiation Physics and Chemistry</i> , 2019, 161, 48-54.	2.8	12
29	Radiation emission dose from patients administered ⁹⁰ Y-labelled radiopharmaceuticals: comparison of experimental measurements versus Monte Carlo simulation. <i>Nuclear Medicine Communications</i> , 2008, 29, 1100-1105.	1.1	11
30	Experimental measurement and Monte Carlo assessment of Argon-41 production in a PET cyclotron facility. <i>Physica Medica</i> , 2015, 31, 991-996.	0.7	10
31	Transglutaminase-mediated conjugation and nitride-technetium-99m labelling of a bis(thiosemicarbazone) bifunctional chelator. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 18-31.	3.5	10
32	Characterization of ⁴¹ Ar production in air at a PET cyclotron facility. <i>Modern Physics Letters A</i> , 2017, 32, 1740014.	1.2	9
33	Radiation Protection Studies for Medical Particle Accelerators using Fluka Monte Carlo Code. <i>Radiation Protection Dosimetry</i> , 2017, 173, 185-191.	0.8	9
34	Radiotherapy-induced malfunctions of cardiac implantable electronic devices in cancer patients. <i>Internal and Emergency Medicine</i> , 2020, 15, 967-973.	2.0	9
35	Monte Carlo modeling provides accurate calibration factors for radionuclide activity meters. <i>Applied Radiation and Isotopes</i> , 2014, 94, 158-165.	1.5	8
36	Early and delayed evaluation of solid tumours with ⁶⁴ Cu-ATSM PET/CT. <i>Nuclear Medicine Communications</i> , 2017, 38, 340-346.	1.1	8

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37	Low dose radiation ^{18}F -fluoride PET/CT in the assessment of Unilateral Condylar Hyperplasia of the mandible: preliminary results of a single centre experience. <i>European Journal of Hybrid Imaging</i> , 2018, 2, 7.	1.5	7
38	Cyclotron solid targets preparation for medical radionuclides production in the framework of LARAMED project. <i>Journal of Physics: Conference Series</i> , 2020, 1548, 012022.	0.4	7
39	Efficiency calibration of a portable CZT detector for nondestructive activation assessment of a cyclotron bunker. <i>Radiation Effects and Defects in Solids</i> , 2016, 171, 705-713.	1.2	7
40	Effective production of ^{65}Zn with a PET cyclotron. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1590-1594.	1.5	6
41	Radiation dose around a PET scanner installation: Comparison of Monte Carlo simulations, analytical calculations and experimental results. <i>Physica Medica</i> , 2014, 30, 448-453.	0.7	6
42	Assessment of internal contamination hazard and fast monitoring for workers involved in maintenance operations on PET cyclotrons. <i>Radiation Protection Dosimetry</i> , 2011, 144, 468-472.	0.8	5
43	In vitro thrombogenicity of drug-eluting and bare metal stents. <i>Thrombosis Research</i> , 2020, 185, 43-48.	1.7	5
44	An HPLC and UHPLC-HRMS approach to study PSMA-11 instability in aqueous solution. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2021, 6, 14.	3.9	5
45	Use of ^{65}Zn as a tracer for the assessment of purification in the ^{68}Ga -DOTANOC synthesis. <i>Applied Radiation and Isotopes</i> , 2013, 80, 27-31.	1.5	4
46	The concept of minimum detectable activity of radionuclide activity meters and their suitability for routine quality control of radiopharmaceuticals. An experimental study. <i>Applied Radiation and Isotopes</i> , 2016, 113, 22-27.	1.5	4
47	Experimental monitoring of ozone production in a PET cyclotron facility. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1933-1936.	1.5	3
48	An innovative gamma-ray spectrometry system using a compact and portable CZT detector for radionuclidic purity tests of PET radiopharmaceuticals. <i>Radiation Effects and Defects in Solids</i> , 2016, 171, 726-735.	1.2	3
49	Acceptance Tests and Quality Control of Ge/ Ga Generators. <i>Current Radiopharmaceuticals</i> , 2009, 2, 165-168.	0.8	3
50	Modeling of a Cyclotron Target for the Production of ^{11}C with Geant4. <i>Current Radiopharmaceuticals</i> , 2018, 11, 92-99.	0.8	3
51	Undesired radionuclides in ^{18}F production by deuterons. <i>Radiation Effects and Defects in Solids</i> , 2009, 164, 336-339.	1.2	2
52	Automated synthesis of [^{11}C]meta hydroxyephedrine, a PET radiopharmaceutical for studying sympathetic innervation in the heart. , 2008, , .		1
53	A bis(thiosemicarbazone) bifunctional chelating agent for nitrido-technetium-99m and copper-64 based radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 2019, 72-73, S28.	0.6	0